

Title (en)

Nickel aluminosilicate glass-ceramics.

Title (de)

Nickel-Aluminosilikat-Glaskeramik.

Title (fr)

Vitroc ramique d'aluminosilicate de nickel.

Publication

**EP 0668250 A1 19950823 (EN)**

Application

**EP 95101728 A 19950209**

Priority

US 19975394 A 19940222

Abstract (en)

This invention is directed to the production of thermally crystallizable glasses which can be crystallized in situ via heat treatment into glass-ceramic articles containing a nickel spineloid as the predominant crystal phase. The glasses consist essentially, in weight percent, of 40-60% SiO<sub>2</sub>, 10-35% Al<sub>2</sub>O<sub>3</sub>, 5-35% NiO, 0-20% MgO, and 0-15% total TiO<sub>2</sub> and/or ZrO<sub>2</sub>. The preferred glasses contain at least 2% MgO.

IPC 1-7

**C03C 10/06**

IPC 8 full level

**C03C 3/085** (2006.01); **C03C 10/00** (2006.01); **C03C 10/02** (2006.01); **C03C 10/04** (2006.01); **C03C 10/06** (2006.01)

CPC (source: EP KR US)

**C03C 10/00** (2013.01 - KR); **C03C 10/0036** (2013.01 - EP US); **C04B 37/04** (2013.01 - KR)

Citation (search report)

- [X] DE 2509311 A1 19751009 - TECHNISCHES GLAS VEB K
- [A] US 4059454 A 19771122 - READE RICHARD F

Designated contracting state (EPC)

DE FR GB NL

DOCDB simple family (publication)

**US 5352638 A 19941004**; EP 0668250 A1 19950823; JP H0891873 A 19960409; KR 100364229 B1 20030207; KR 950032003 A 19951220; TW 334414 B 19980621

DOCDB simple family (application)

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